

PATENT Attorney Docket No. SNS-010C1 (7268/17)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Goodwin, et al.

SERIAL NO.:

10/650,155

GROUP NO.:

Not Yet Assigned

FILING DATE:

August 28, 2003

EXAMINER:

Not Yet Assigned

TITLE:

3-D Selection and Manipulation With a Multiple Dimension Haptic

Interface

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

M	(1)	within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
	(2)	after the period defined in (1) but before the mailing date of a final action or a notice of allowance under 37 C.F.R. 1.311, and
		the requisite Statement is below, OR
		the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein, or

Serial No.: 10/650,155 Page 2 of 3 after the mailing date of a final action or notice of allowance but before the payment (3) of the issue fee, AND the requisite Statement is below, AND the requisite petition fee under 37 C.F.R. 1.17(p), namely \$180.00 is included herein. It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application. **STATEMENT** As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the Information

Information Disclosure Statement

In addition, Applicants wish to inform the Examiner of the following commonly-owned, co-pending applications:

Disclosure Statement.

Serial Number	Inventor	Filing Date	Priority Information
09/574,131	Tarr, et al.	05/18/00	Continuation of USSN 08/691,247
10/375,517	Shih, et al.	02/26/03	Continuation of US Patent No. 6,552,722, issued on 04/22/03, which is a continuation-in-part of US Patent No. 6,421,048, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/352,066	Handley, et al.	07/14/99	Continuation-in-part of US Patent No. 6,421,048, issued on 07/16/02, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/356,289	Rodomista, et al.	07/16/99	, , , , , , , , , , , , , , , , , , , ,

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Serial Number	Inventor	Filing Date	Priority Information
10/144,191	Rodomista, et al.	05/13/02	Divisional of USSN 09/356,119
10/017,703	Jennings, et al.	12/14/01	
10/017,148	Jennings, et al.	12/14/01	
10/133,242	Goodwin, et al.	04/26/02	
10/055,565	Zilles, et al.	10/26/01	Continuation of US Patent No. 6,369,834, issued 04/09/02, which is a continuation of US Patent No. 6,111,577, issued 08/29/00.
10/022,114	Massie, et al.	11/16/01	Continuation of USSN 09/268,455 filed on 02/12/99, which is a continuation of US Patent No. 5,898,599 issued on 04/27/99, which is a continuation of US Patent No. 5,625,576, issued on 04/29/97, which is a continuation of US Patent No. 5,587,937 issued on 12/24/96.

Date: September 26, 2003

Reg. No. 53,002

Tel. No.: (617) 310-8427 Fax No.: (617) 248-7100 Respectfully submitted,

William R. Haulbrook, PhD. Attorney for Applicants

Testa, Hurwitz, & Thibeault, LLP

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Boston, Massachusetts 02110



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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	2,475,484	07/05/49	DeNise	318	628	05/14/46
	A2	3,168,203	02/01/65	Gallistel	214	1	07/07/60
	A3	3,263,824	08/02/66	Jones et al.	214	1	12/20/63
	A4	3,449,008	06/10/69	Colechia	294	88	06/08/67
	A5	3,531,868	10/06/70	Stevenson	33	174	04/18/68
	A6	3,618,786	11/09/71	Fick	214	1CM	01/02/69
	A7	3,637,092	01/01/72	George et al.	214	1CM	04/30/70
	A8	3,920,972	11/18/75	Corwin et al.	235	151.1	07/16/74
	A9	3,944,798	03/16/76	Eaton	235	161.3	04/18/74
	A10	4,062,455	12/13/77	Flatau	214	1	11/01/76
	A11	4,150,803	04/24/79	Fernandez	244	135A	10/05/77
	A12	4,216,467	08/05/80	Colston	340	365L	12/22/77
 .	A13	4,302,138	11/24/81	Zarudiansky	414	5	01/22/79
	A14	4,367,532	01/04/83	Crum et al.	364	513	12/24/80
	A15	4,420,808	12/13/83	Diamond et al.	364	434	01/18/82
	A16	4,521,685	06/04/85	Rebman	250	229	03/01/82
<u> </u>	A17	4,604,016	08/05/86	Joyce	414	7	08/03/83
	A18	4,632,341	12/30/86	Repperger et al.	244	230	02/06/85
	A19	4,638,798	01/27/87	Shelden et al.	128	303B	09/10/80
	A20	4,653,011	03/24/87	Iwano	364	513	03/27/85
	A21	4,654,648	03/31/87	Herrington et al.	340	710	12/17/84
	A22	4,655,673	04/07/87	Hawkes	414	730	05/10/83
	A23	4,661,032	04/28/87	Arai	414	5	12/18/85

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	A24	4,670,851	06/02/87	Murakami et al.	364	518	10/22/84
	A25	4,676,002	06/30/87	Slocum	33	1 MP	12/20/85
	A26	4,680,519	07/14/87	Chand et al.	318	568	09/23/85
	A27	4,703,443	10/27/87	Moriyasu	364	559	02/07/85
	A28	4,729,098	03/01/88	Cline et al.	364	414	06/05/85
	A29	4,769,763	09/06/88	Trieb et al.	364	559	06/16/86
	A30	4,791,934	12/20/88	Brunnett	128	653	08/07/86
	A31	4,795,296	01/03/89	Jau	414	5	10/17/86
	A32	4,800,721	01/31/89	Cemenska et al.	60	393	02/13/87
	A33	4,819,195	04/04/89	Bell et al.	364	571.1	01/20/87
<u> </u>	A34	4,823,634	04/25/89	Culver	74	471	11/03/87
	A35	4,837,734	06/06/89	Ichikawa et al.	364	513	02/26/87
	A36	4,839,838	06/13/89	LaBiche et al.	364	709.1	03/30/87
	A37	4,853,874	08/01/89	Iwamoto et al.	364	513	11/20/87
	A38	4,888,538	12/19/89	Dimitrov et al.	318	675	01/13/88
	A39	4,893,981	01/16/90	Yoshinada et al.	414	5	03/26/87
	A40	4,907,970	03/13/90	Meenen, Jr.	434	45	03/30/88
	A41	4,907,973	03/13/90	Hon	434	262	11/14/88
	A42	4,942,538	07/17/90	Yuan et al.	364	513	02/23/89
	A43	4,945,305	07/31/90	Blood	324	207.2	04/11/89
	A44	4,945,501	07/31/90	Bell et al.	364	571.1	04/12/89
	A45	4,961,138	10/02/90	Gorniak	364	200	10/02/89
	A46	4,973,215	11/27/90	Karlen et al.	414	729	02/14/89
	A47	4,982,504	01/08/91	Söderberg et al.	33	502	02/17/89
	A48	4,988,981	01/29/91	Zimmerman et al.	340	709	02/28/89
	A49	5,004,391	04/02/91	Burdea	414	6	08/21/89

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	5 007 300	04/16/91	Siv	a	74	471 X	01/22/90
A50	5,007,300		Vo	shinada et al.	414	5	09/12/89
A51	5,018,922	05/28/91	l		318	568.1	02/21/89
A52	5,019,761	05/28/91	Kra	aft 	318	568.1	10/28/88
A53	5,038,089	08/06/91	1	akaly			02/20/89
A54	5,040,306	08/20/91	M	cMurtry et al.	33	556	
<u> </u>	5,044,956	09/03/91	Be	ehensky et al.	434	45	01/12/89
A55	\	10/01/91	T	suchihashi et al.	364	513	06/08/89
A56	5,053,975			avis et al.	364	167	02/01/90
A57	5,072,361	12/10/91	1		364	474	12/19/88
A58	5,088,046	02/11/92	M	1cMurtry		560	02/22/90
A59	5,088,055	02/11/92)yama	364		12/20/89
	5,103,404	04/07/92	2 1	McIntosh	318	568.2	
A60		04/14/92	+	Tsuchihashi et al.	395	99	10/16/89
A61	5,105,367		_	Moncrief et al.	273	448 B	06/08/90
A62	5,116,051	05/26/93			414	5	05/03/90
A63	5,116,180	05/26/9		Fung et al.	318	568.1	12/05/90
A64	5,130,632	07/14/9	- 1	Ezawa et al.		72	04/08/91
A65	5,131,844	07/21/9	92	Marinaccio et al.	433		02/14/91
		09/01/9	92	Menahem	74	471 XY	
A66		09/01/		Burdea et al.	414	5	02/26/91
A67		_		Kramer	364	806	02/02/90
A68	5,184,319	02/02/			318	432	07/23/91
A69	5,185,561	02/09/		Good et al.	33	503	08/17/92
A70	0 5,189,806	03/02	/93	McMurtry et al.			10/01/90
A7	100.003	03/16	/93	McAffee et al	414		
		04/20)/93	Fujimaki	364	474	08/23/90
A7		06/1		Schuler	31	3 561	10/24/91
A7	5,220,260	·			31	8 568.1	12/31/90
- A	74 5,223,776	06/2			31		07/08/92
	75 5,239,246	08/2	4/93	Kim	31	555	

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	A76	5,255,211	10/19/93	Redmond	364	578	02/22/90
	A77	5,264,768	11/23/93	Gregory et al.	318	561	10/06/92
	A78	5,266,875	11/30/93	Slotine et al.	395	99x	05/01/91
 	A79	5,354,162	10/11/94	Burdea et al.	414	5	10/11/94
 	A80	5,382,885	01/17/95	Salcudean et al.	318	568.1	08/09/93
 	A81	5,389,865	02/14/95	Jacobus et al.	318	568.1	12/02/92
 	A82	5,396,265	03/07/95	Ulrich et al.	345	158	09/17/90
	A83	5,414,337	05/09/95	Schuler	318	561	06/11/93
<u> </u>	A84	5,429,140	07/04/95	Burdea et al.	128	774	06/04/93
	A85	5,438,529	08/01/95	Rosenberg et al.	364	709.1	01/26/94
 	A86	5,459,382	10/17/95	Jacobus et al.	318	568.1	06/09/94
	A87	5,482,051	01/09/96	Reddy et al.	128	733	04/06/94
 	A88	5,489,830	02/06/96	Fernandez	318	628	09/01/94
 	A89	5,497,452	03/05/96	Shimizu et al.	395	120	03/02/92
	A90	5,515,078	05/07/96	Greschler et al.	345	156	
	A91	5,555,894	09/17/96	Doyama et al.	128	782	05/02/94
	A92	5,559,412	09/24/96	Schuler	318	561	05/03/95
	A93	5,576,727	11/19/96	Rosenberg et al.	345	179	06/05/95
	A94	5,587,937	12/24/96	Massie et al.	364	578	04/25/95
	A95	5,589,854	12/31/96	Tsai	345	161	06/22/95
	A96	5,623,582	04/22/97	Rosenberg	395	99	07/14/94
	A97	5,623,642	04/22/97	Katz et al.	395	500	04/06/94
	A98	5,625,576	04/29/97	Massie et al.	364	578	10/01/93
	A99	5,629,594	05/13/97	Jacobus et al.	318	568.1	10/16/95
	A100	5,642,469	06/24/97	Hannaford et al.	395	99	11/03/94
	A101	5,666,138	09/09/97	Culver	345	161	11/22/94

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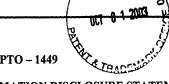
August 28, 2003

GROUP:

Not Yet Assigned

	A102	5,691,898	11/25/97	Rosenberg et al.	364	190	03/28/96
	A103	5,694,013	12/02/97	Stewart et al.	318	561	09/06/96
	A104	5,701,140	12/23/97	Rosenberg et al.	345	156	07/12/94
	A105	5,721,566	02/24/98	Rosenberg et al.	345	161	06/09/95
	A106	5,724,264	03/03/98	Rosenberg et al.	364	559	08/07/95
	A107	5,731,804	03/24/98	Rosenberg	345	156	01/18/95
	A108	5,734,373	03/31/98	Rosenberg et al.	345	161	12/01/95
}	A109	5,737,505	04/07/98	Shaw et al.	395	119	10/15/96
	A110	5,739,811	04/14/98	Rosenberg et al.	345	161	09/27/95
	A111	5,742,278	04/21/98	Chen et al.	345	156	11/01/95
	A112	5,751,289	05/12/98	Myers	345	419	01/16/96
	A113	5,754,023	05/19/98	Roston et al.	318	561	10/22/96
	A114	5,767,839	06/16/98	Rosenberg	345	161	03/03/95
	A115	5,769,640	06/23/98	Jacobus et al.	434	262	08/10/95
	A116	5,784,542	07/21/98	Ohm et al.	395	95	10/23/96
	A117	5,790,108	08/04/98	Salcudean et al.	345	184	10/23/92
	A118	5,798,752	08/25/98	Buxton et al.	345	146	02/27/95
	A119	5,800,177	09/01/98	Gillio	434	262	07/11/96
	A120	5,800,178	09/01/98	Gillio	434	262	07/11/96
	A121	5,800,179	09/01/98	Bailey	434	262	07/23/96
	A122	5,802,353	09/01/98	Avila et al.	395	500	06/12/96
	A123	5,803,738	09/08/98	Latham	434	29	08/05/96
	A124	5,805,140	09/08/98	Rosenberg et al.	345	161	11/17/95
	A125	5,821,920	10/13/98	Rosenberg et al.	345	156	03/28/97
	A126	5,825,308	10/20/98	Rosenberg	341	20	11/26/96
	A127	5,828,197	10/27/98	Martin, et al.	318	567	10/25/96

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A128	5,831,408	11/03/98	Jacobus, et al.	318	568.1	05/12/97
A129	5,844,392	12/01/98	Peurach et al.	318	568.2	05/21/97
A130	5,859,934	01/12/99	Green	382	296	01/14/97
A131	5,880,714	03/09/99	Rosenberg et al.	345	156	01/15/97
A132	5,889,670	03/30/99	Schuler et al.	364	186	01/11/96
A133	5,903,456	05/11/99	Schena et al.	364	190	01/27/97
A134	5,907,487	05/25/99	Rosenberg et al.	364	190	04/02/97
A135	5,913,727	06/22/99	Ahdoot	463	39	06/13/97
A136	5,929,607	07/27/99	Rosenberg et al.	320	166	04/02/97
A137	5,929,846	07/27/99	Rosenberg et al.	345	161	06/05/97
A138	5,956,484	09/21/99	Rosenberg et al.	395	200.3	08/01/96
A139	6,084,587	07/04/00	Tarr et al.	345	419	02/08/96
A140	6,191,796 B1	02/20/01	Tarr	345	433	01/21/98
A141	6,337,678 B1	01/20/02	Fish	345	156	07/21/99
A142	6,342,880 B2	01/20/02	Rosenberg et al.	345	161	10/06/99
A143	D. 377,932	02/11/97	Schena et al.	D14	114	10/31/95
A144	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
A145	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
A146	5,446,834	08/29/95	Deering	345	427	12/06/94
A147	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
A148	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
A149	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
A150	5,872,438	02/16/99	Roston	318	568.11	07/01/97
A151	5,873,106	02/16/99	Joseph	715	506	09/18/95
A152	5,882,206	06/16/99	Gillio	434	262	03/29/95
A153	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96

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	A154		5,903,886		05/11/9	9	Heimlich,	et al.		706	5	50		04/2	9/97	
	A155 5,973,678		10/26/9	5/99 Stewart, e		et al.		345	;	184		08/29/97				
	A156		5,988,862		11/23/9	9	Kacyra, e	t al.		703	3	6		04/24/96		
	A157		6,111,577		08/29/0	00	Zilles, et	al.		345	5	701		04/0	4/96	
	A158		6,211,848		04/03/0)1	Plesniak,	et al.		345	5	156		02/0	9/99	
	A159		6,226,003		05/01/0)1	Akeley			345	5	419		08/1	08/11/98	
	A160		6,308,144		10/23/0)1	Bronfeld,	et al.		703	3	2		09/2	6/96	
	A161		6,369,834		04/09/0)2	Zilles, et	al.		345	;	701		06/0	2/99	
	A162		6,417,638		07/09/0)2	Guy, et al			318	3	560		07/1	6/99	
	A163		6,421,048	,421,048)2	Shih, et a	1.		345	5	419		06/2	28/99	
	A164 6,552,722		04/22/0	03 Shih, et a		l.	345		5	19		07/06/99				
	A165		20020075283 06/20/02)2	Payne		345	5 643		12/14/		4/01			
	A166		20020089500		07/11/02					345	345	420 156		12/14/01		
	A167		20020158842							345	5			05/13/02		
	A168		20030128208		07/10/03		Shih, et al.			345	419		02/26		6/03	
				F	OREI	GN	PATEN	T DOC	JME	NTS	3					
EXAM INIT.		i	OOCUMENT NUMBER	DA	TE	ł	OUNTRY ODE	CLASS	SUB CLA		FILI DAT		ABS CT ONL		ENGLISH LANG (Y/N)	
	B1	N	VO 95/02801	01/	26/95	PO	CT	G01B	7/03		07/1	2/94	N		Y	
	B2	١	WO 96/16397	05/	30/96 PC		CT	G09G	5/08	8 11/2		2/95	N		Y	
	В3	1	WO 96/22591	07/	/25/96 PC		CT	G09G	5/00	01/1		7/96	N		Y	
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	B14	WO 98/58308	12/23/98		GO6F	15/00	06/16/98	N	Y
	B15	WO 98/58323	12/23/98		GO9G	5/00	08/21/98	N	Y
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